

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPE SUB. REPORT/abd.

990618 LA'D eff 6-11-99:

DATE FILED FEBRUARY 28, 1997

LAND. FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN #

DRILLING APPROVED: JUNE 2, 1997

UTE 14-20-H62

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY API:

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD: BRUNDAGE CANYON

UNIT:

COUNTY:

DUCHESNE

WELL NO.

UTE TRIBAL 5-22

API NO. 43-013-31840

LOCATION

1960 FNL FT. FROM (N) (S) LINE.

530 FWL

FT. FROM (E) (W) LINE.

SW NW

1/4 - 1/4 SEC 22

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

5S

4W

22

BARRETT RESOURCES

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

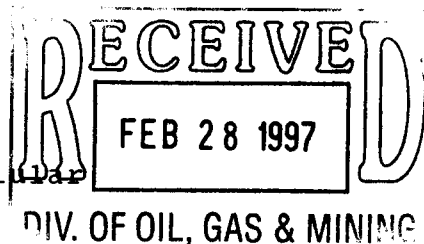
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. UTE 14-20-H62		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Barrett Resources Corp		7. UNIT AGREEMENT NAME		
8. ADDRESS OF OPERATOR PO BOX 290, Neola, UT 84053		8. FARM OR LEASE NAME		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface SW 1/4, NW 1/4, 1960' FNL, 530' FWL, SEC 22, T5S, R4W At proposed prod. zone		9. WELL NO. UTE TRIBAL 5-22		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 21.5 MILES SOUTH OF MYTON, UTAH		10. FIELD AND POOL, OR WILDCAT		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 530		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 22, T5S, R4W		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1,400'		12. COUNTY OR PARISH Duchesne		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6537'		13. STATE Utah		
16. NO. OF ACRES IN LEASE 640		17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
19. PROPOSED DEPTH 6020'		20. ROTARY OR CABLE TOOLS Rotary		
22. APPROX. DATE WORK WILL START* MAY 30, 1997				
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2	8-5/8	24	280	TO SURFACE
7-7/8	5 1/2	15.5	6020'	CMT TOP TO COVER OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

Doug Barone
PO Box 290
Neola, UT 84053

801-353-4625 office / 801-828-6116 cellular



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>Doug Barone</u>		TITLE <u>Production Supervisor</u>		DATE <u>2-10-97</u>	
(This space for Federal or State office use)					
PERMIT NO. <u>43-013-31840</u>		APPROVAL DATE _____			
APPROVED BY <u>John R. Boye</u>		TITLE <u>Petroleum Engineer</u>		DATE <u>6/2/97</u>	
CONDITIONS OF APPROVAL, IF ANY:					

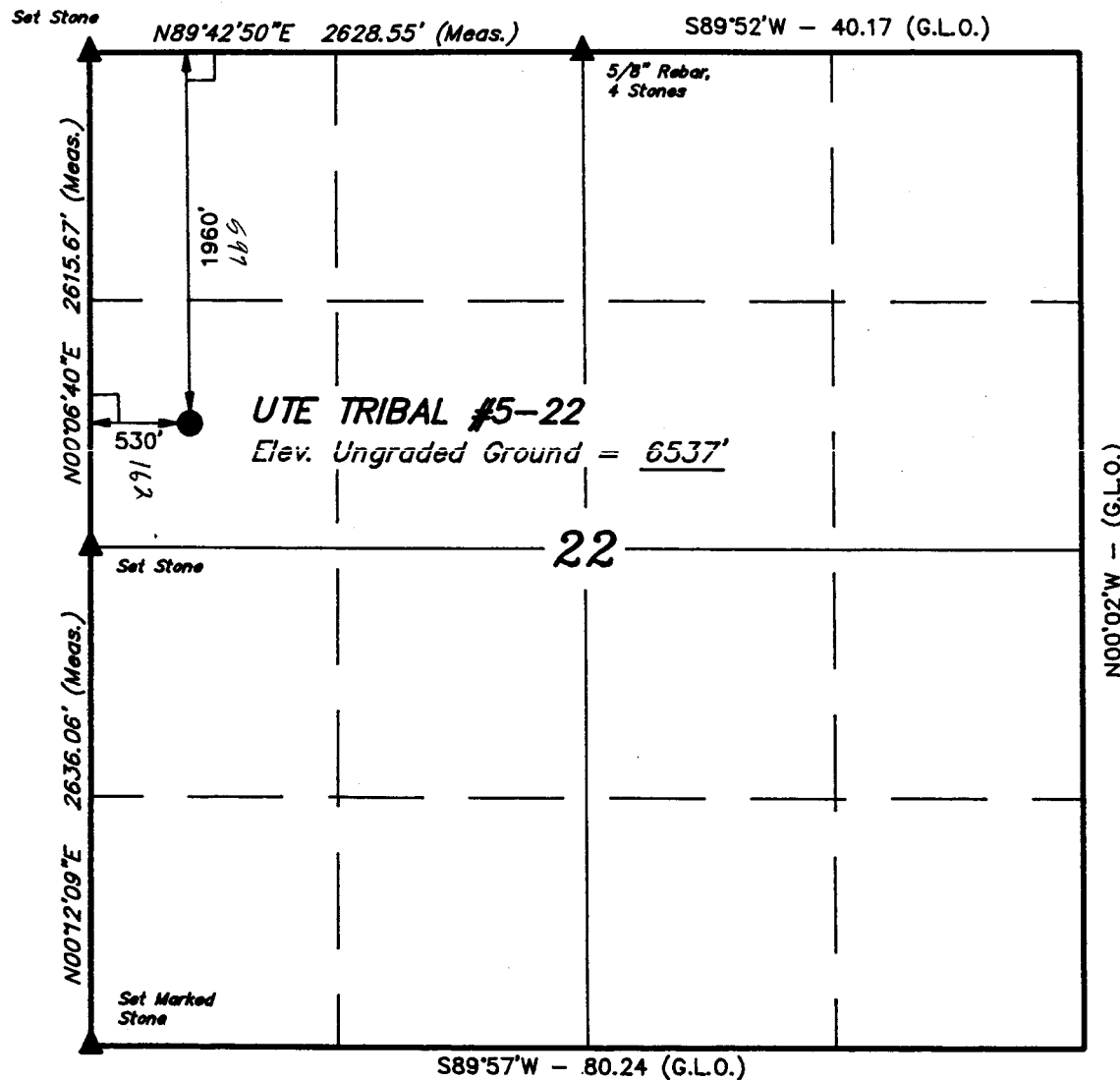
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T5S, R4W, U.S.B.&M.

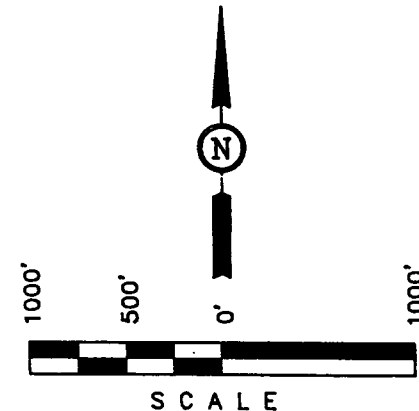
BARRETT RESOURCES CORPORATION

Well location, UTE TRIBAL #5-22, located as shown in the SW 1/4 NW 1/4 of Section 22, T5S, R4W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

BENCH MARK LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6098 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Hay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 781319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-14-96	DATE DRAWN: 11-5-96
PARTY J.F. M.C. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE BARRETT RESOURCES CORP.	

LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

BASIS OF BEARINGS IS THE WEST LINE OF THE SW 1/4 OF SECTION 16, T5S, R4W, U.S.B.&M. WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR N00°03'W.

SELF-CERTIFICATION STATEMENT

THE FOLLOWING SELF -CERTIFICATION STATEMENT IS PROVIDED PER FEDERAL REQUIREMENTS DATED JUNE 15, 1988.

PLEASE BE ADVISED THAT BARRETT RESOURCES CORPORATION IS CONSIDERED TO BE THE OPERATOR OF THE FOLLOWING WELL.

WELL UTE TRIBAL 5-22
SW 1/4, NW 1/4, 1960' FNL, 530' FWL, SECTION 22, T.5 S, R. 4 W..
LEASE BIA-14-20-H62
DUCHESNE, COUNTY, UTAH

BARRETT RESOURCES CORP. IS RESPONSIBLE UNDER THE TERMS OF THE LEASE FOR THE OPERATIONS CONDUCTED UPON THE LEASE LANDS.



D.P. BARONE
PRODUCTION SUPERVISOR
BARRETT RESOURCES CORP.
BOX 290
NEOLA, UT. 84053
801-353-4625

HAZARDOUS MATERIAL DECLARATION

FOR WELL NO. UTE 5-22

LEASE NO. 14-20-H62

BARRETT RESOURCES CORP. GUARENTEES THAT DURING THE DRILLING AND COMPLETION OF THE ABOVE REFERENCED WELLS, WE WILL NOT USE, PRODUCE, OR STORE, TRANSPORT OR DISPOSE 10,000# ANNUALLY OF ANY OF THE HAZARDOUS CHEMICALS CONTAINED IN THE ENVIRONMENTAL PROTECTION AGENCY'S CONSOLIDATED LIST OF CHEMICALS SUBJECT TO REPORTING UNDER TITLE III SUPER AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986.

BARRETT RESOURCES CORP. GUARANTEES THAT DURING THE DRILLING AND COMPLETION OF THE ABOVE REFERENCED WELLS, WE WILL USE, PRODUCE, STORE, TRANSPORT, OR DISPOSE LESS THAN THE THRESHOLD PLANNING QUANTITY(TPQ) OF ANY EXTREMELY HAZARDOUS SUBSTANCES AS DEFINED IN 40 CFR 355.

SURFACE LOCATION SW 1/4, NW 1/4, 1960' FNL, 530' FWL, SECTION 22, T. 5 S., R. 4 W.

UTE TRIBAL 14-15 SECTION 15, T. 5 S, R. 4 W.

4. PROPOSED CASING:

<u>HOLE SIZE</u>	<u>CASING</u>	<u>WEIGHT/FT.</u>	<u>GRADE & THREAD</u>	<u>SET @</u>	<u>CASING</u>
12 1/2	8 5/8	24	J-55/STC	280	NEW/USED
7 7/8	5 1/2	15.5	J-55/ LTC	6020' TD	NEW/USED

CEMENT PROGRAM: SURFACE CASING**CEMENT****CEMENT AMOUNT**

8 5/8

CLASS G

150 SKS +20 %

CASING

5 1/2	FLUID 1 LEAD CMT	FLUID WT.	11.00 LB/GAL
	Type 5 HALLIBURTON	FLUID YIELD	3.81 FT3/ SKS
	.75 % ECONOLITE (EXTENDER)	FLUID WATER RATIO	22.98 GAL/SKS
	.25 LB/SK FLOCELE (LOST CIRC.)	TOTAL MIXING FLUID	47.6 BBLS
	7.5 LB/SK GILSONITE (LOST CIRC.)	APPROX. TOP FLUID	2000 FT
	16 % HALLIBURTON GEL(EXTENDER)	CALCULATED FILL	1600 FT
	2 LB/SK GRANULITE		
	3 % SALT (3%) (ACCELERATOR)	FLUID VOLUME	57.4 BBLS
	.8 % HR-7 RETARDER	CALCULATED VOLUME	87.0 SKS.
	MIXED W/ FRESH WATER	PROPOSED VOLUME	87.0 SKS
5 1/2	FLUID 2 TAIL CMT 50:50 POZ	FLUID WT.	13.4 LB/GAL
	.2 % FWCA	FLUID YIELD	1.49 FT3/SKS
	.2% HALAD 322	FLUID WATER RATIO	7.27 GAL/SKS
	2 % HALLIBURTON GEL	TOTAL MIX FLUID	58.5 BBLS
	3% KCL (BWOW)	APPROX. TOP FLUID	3600
	3 LB/SK SILICALITE	CALC. FILL	2420
	1 LB/SK GRANULITE	FLUID VOLUME	87 BBLS
		CALC. VOLUME	338 SKS
		PROPOSED VOLUME	340 SKS

5. BOP AND PRESSURE CONTAINMENT DATA:

THE ANTICIPATED BOTTOM HOLE PRESSURE WILL BE LESS THAN 3000 PSI.

A 3000 PSI WP BOP SYSTEM AS DESCRIBED IN THE BOP AND PRESSURE CONTAINMENT DATA (ATTACHED) WILL BE INSTALLED AND MAINTAINED FROM THE 8 5/8 SURFACE CASING. THE BOP SYSTEM INCLUDING THE CASING WILL BE PRESSURE TESTED TO THE MINIMUM STANDARDS SET FORTH IN " ON SHORE ORDER #2". THE BOP WILL BE MECHANICALLY CHECKED DAILY DURING DRILLING OPERATION.

6. MUD PROGRAM:

INTERVAL	MUD WT. LBS/GAL	VISCOSITY SEC./QT.	FLUID LOSS MI/30 MINS	MUD TYPE
0-280	AIR/ CLEAR WATER	-----	NO CONTROL	WATER/GEL
280-2000	CLEAR WATER	-----	NO CONTROL	WATER/GEL
2000-TD	8.4 - 8.6	30	NO CONTROL	5 % KCL

7. AUXILIARY EQUIPMENT:

UPPER KELLY COCK, FULL OPENING STABBING VALVE, 2 1/2 CHOKE MANIFOLD AND PIT LEVEL INDICATOR.

8. TESTING, CORING, SAMPLING, AND LOGGING:

A) TEST:	NONE ARE ANTICIPATED		
B) CORING:	THERE IS THE POSSIBILITY OF SIDEWALL CORING.		
C) SAMPLING:	EVERY 10 FT FROM 2000 ' TO TD.		
D) LOGGING:	<u>TYPE</u>	<u>INTERVAL</u>	
	DLL/SFL W/GR AND SP	TD TO SURFACE CASING	
	FDC/CNL W/GR AND CAL	TD TO SURFACE CASING	

9. ABNORMALITIES (INCLUDING SOUR GAS):

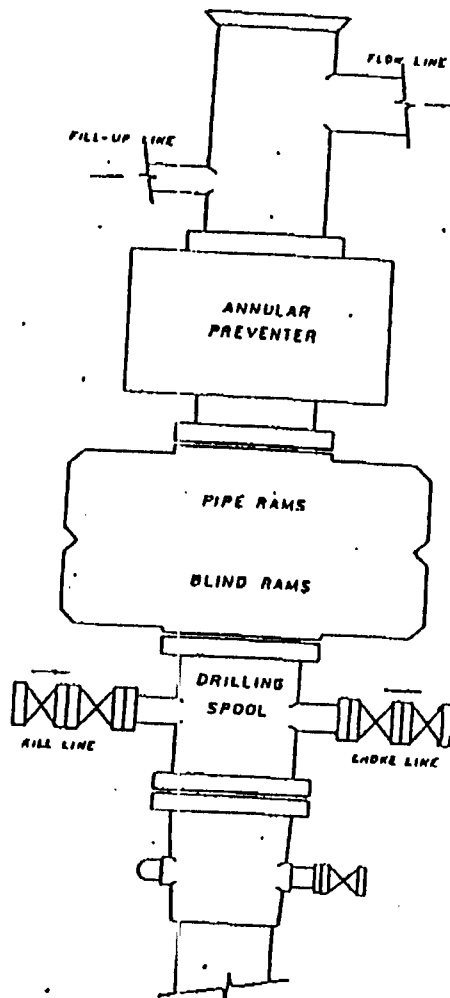
NO ABNORMAL PRESSURES OR TEMPERATURES OR OTHER HAZARDS ARE ANTICIPATED. OIL AND GAS SHOWS ARE ANTICIPATED IN THE GREEN RIVER FORMATION. OTHER WELLS IN THE AREA HAVE NOT ENCOUNTERED OVER- PRESSURED ZONES OR H2S.

10. DRILLING SCHEDULE:

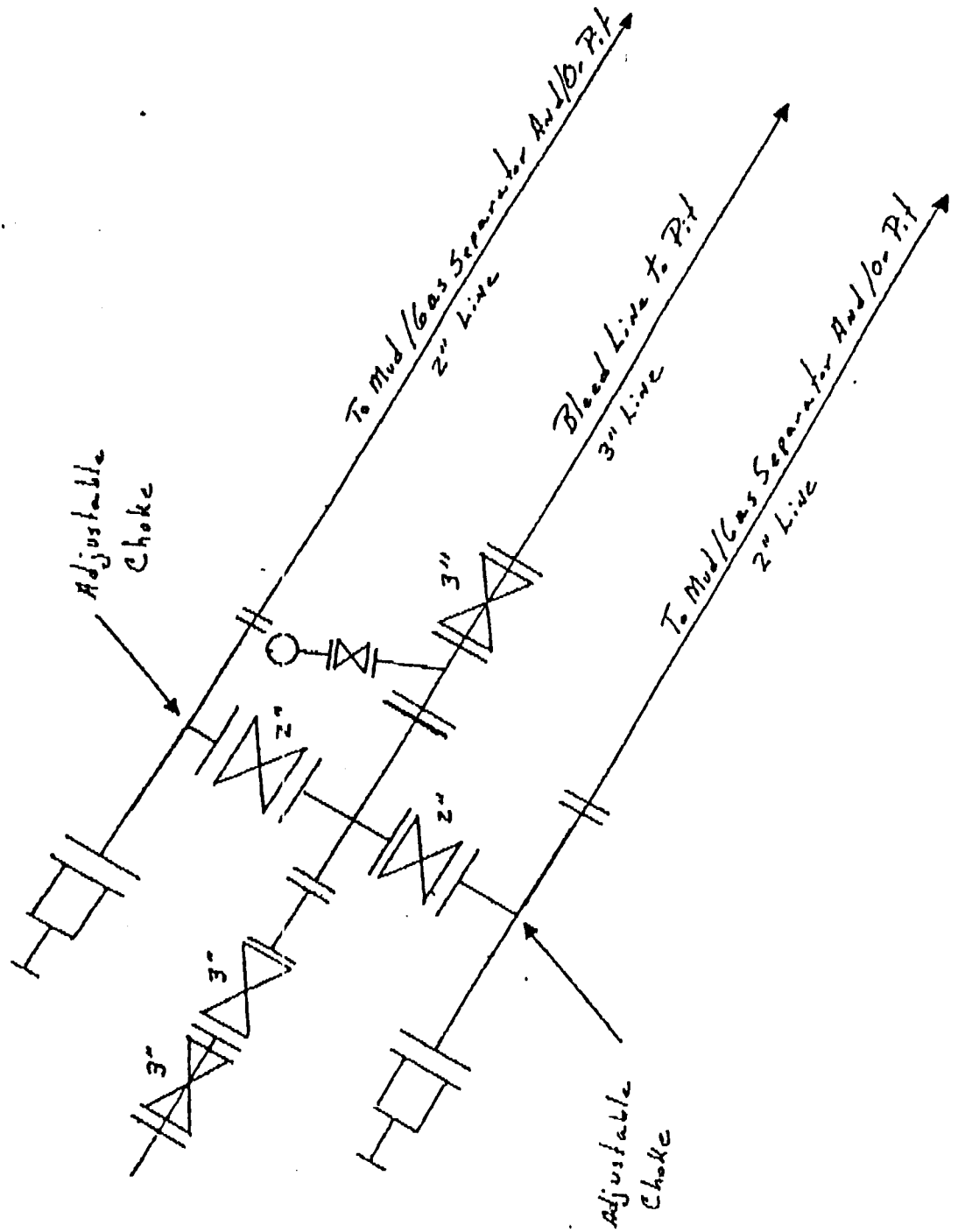
THE ANTICIPATED STARTING DATE IS MAY 30, 1997. DURATION OF OPERATIONS IS EXPECTED TO BE 150 DAYS.

BOP AND PRESSURE CONTAINMENT DATA

1. BOP EQUIPMENT SHALL CONSIST OF A DOUBLE GATE, HYDRAULICALLY OPERATED PREVENTER WITH PIPE & BLIND RAMS OR TWO SINGLE RAM TYPE PREVENTERS, ONE EQUIPPED WITH PIPE RAMS, THE OTHER EQUIPPED WITH BLIND RAMS.
2. BOP'S ARE TO BE WELL BRACED WITH HAND CONTROLS EXTENDED CLEAR OF THE SUBSTRUCTURE.
3. ACCUMULATOR TO PROVIDE CLOSING PRESSURE IN EXCESS OF THAT REQUIRED WITH SUFFICIENT VOLUME TO OPERATE ALL COMPONENTS.
4. AUXILIARY EQUIPMENT: LOWER KELLY COCK, FULL OPENING STABBING VALVE, 2 1/2" CHOKE MANIFLOD, PIT LEVEL INDICATOR &/OR FLOW SENSORS WITH ALARMS.
5. ALL BOP EQUIPMENT, AUXILIARY EQUIPMENT, STAND PIPE, VALVES, & ROTARY HOSE TO BE TESTED TO THE RATE PRESSURE OF THE BOP'S AT THE TIME OF INSTALLATION & EVERY 30 DAYS THEREAFTER. BOP'S TO BE MECHANICALLY CHECKED DAILY.
6. MODIFICATION OF HOOK-UP OR TESTING PROCEDURE MUST BE APPROVED IN WRITING ON TOUR REPORTS BY WELLSITE REPRESENTATIVE.



3000 PSI CHOKE MANIFOLD EQUIPMENT



BARRETT RESOURCES CORPORATION

13 POINT SURFACE USE PLAN

FOR

WELL LOCATION

UTE TRIBAL 5-22

LOCATED IN

SW 1/4, NW 1/4, 1960' FNL, 530' FWL

SECTION 22, T 5 S. , R 4 W., U.S.B.M.

DUCHESNE COUNTY, UTAH

LEASE NUMBER: BIA 14-20-H62

SURFACE OWNERSHIP: UTE TRIBE

1. EXISTING ROADS

TO REACH THE BARRETT RESOURCES WELL, UTE TRIBAL 5-22 LOCATION, IN SECTION 22, T5S., R4W.

START IN MYTON, UTAH. PROCEED WEST ON US HIGHWAY 40, 8.8 MILES TO THE ANTILOPE CANYON ROAD. TURN SOUTH AND PROCEED 6.3 MILES TO THE SOWERS CANYON ROAD. TURN RIGHT ON THE SOWERS CANYON ROAD AND PROCEED SOUTH AND WEST 2.1 MILES. TURN SOUTH ON AN OILFIELD ACCESS ROAD AT THE FORK IN THE ROAD AND PROCEED 3.9 MILES TO THE STARTING POINT OF THE NEW ACCESS ROAD, WHICH WILL TURN RIGHT. 0.4 MILES TO LOCATION.

THE EXISTING OILFIELD SERVICE ROAD MAY NEED SOME SURFACE MATERIAL TO PREVENT OR REPAIR HOLES IN THE ROAD DUE TO HEAVY TRUCK TRAFFIC DURING THE DRILLING AND COMPLETION OPERATION. IF REPAIRS ARE MADE THE OPERATOR WILL SECURE MATERIAL FROM PRIVATE SOURCES.

PLEASE SEE THE ATTACHED MAP FOR ADDITIONAL DETAILS.

2. PLANNED ACCESS ROAD

APPROXIMATELY 1584 FEET OF NEW ROAD WILL BE REQUIRED.

DETAILS OF THE CONSTRUCTION ARE AS FOLLOWS;

LENGTH- 1584 FT (APPROX)

WIDTH- 32 FT (APPROX)

GRADE- 10% OR LESS

PLEASE SEE THE ATTACHED LOCATION PLAT FOR ADDITIONAL DETAILS.

NO RIGHT OF WAY WILL BE REQUIRED. ALL NEW CONSTRUCTION WILL BE CONDUCTED ON LEASE.

ALL TRAVEL WILL BE CONFINED TO EXISTING ROAD RIGHT OF WAYS.

ACCESS ROADS AND SURFACE DISTURBING ACTIVITIES WILL CONFORM TO STANDARDS OUTLINED IN THE USGS PUBLICATION (1978) SURFACE OPERATION STANDARDS FOR OIL AND GAS DEVELOPEMENT.

3. LOCATION OF EXISTING WELLS

THE FOLLOWING WELLS ARE LOCATED WITHIN ONE MILE RADIUS OF THE LOCATION SITE.

A) PRODUCING WELLS:

OIL WELL	UTE TRIBAL 8-21	SECTION 21, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 2-21	SECTION 21, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 10-21	SECTION 21, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 5-16	SECTION 16, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 14-16	SECTION 16, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 16-16	SECTION 16, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 14-15	SECTION 15, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 4-22	SECTION 22, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 12-22	SECTION 22, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 13-22	SECTION 22, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 4-27	SECTION 27, T.5 S, R. 4 W.
OIL WELL	UTE TRIBAL 1-28	SECTION 28, T.5 S, R. 4 W.

B) WATER WELLS: NONE

C) ABANDONED WELLS : NONE

D) TEMPORARILY ABANDONED WELLS: NONE

E) DISPOSAL WELLS: NONE

F) DRILLING WELLS: NONE

G) SHUT IN WELLS: NONE

H) INJECTION WELLS: NONE

I) MONITORING OR OBSERVATION WELLS: NONE

PLEASE SEE ATTACHED MAP FOR ADDITIONAL DETAILS.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

ALL PRODUCTION FACILITIES ARE TO BE CONTAINED WITHIN THE PROPOSED LOCATION SITE. PLEASE SEE THE ATTACHED PLOT PLAN FOR A TYPICAL PUMP JACK, SEPERATOR INSTALL, AND WELLSITE PIPING CONNECTION.

ALL PERMANENT(ON SITE FOR SIX MONTHS OR LONGER) STRUCTURES CONSTRUCTED OR INSTALLED WILL BE PAINTED A DESERT BROWN COLOR. ALL FACILITIES WILL BE PAINTED WITHIN SIX MONTHS OF INSTALLATION. FACILITIES REQUIRED TO COMPLY WITH O.S.H.A. (OCCUPATIONAL SAFETY AND HELATH ACT) WILL BE EXCLUDED. THE REQUIRED PAINT COLOR IS DESERT BROWN(10 YR 6/4)

THE TANK BATTERY WILL BE SURROUNDED BY A DIKE OF SUFFUCIENT CAPACITY TO CONTAIN THE STORAGE CAPACITY OF THE LARGEST TANK IN THE BATTERY. THE INTEGRITY OF THE DIKE WILL BE MAINTAINED.

ALL SITE SECURITY GUIDELINES IDENTIFIED IN 43 CFR 3126.7 REGULATION WILL BE ADHERED TO.

AL OFF LEASE STORAGE, OFF-LEASE MEASUREMENT, OR COMMINGLING ON LEASE OR OFF-LEASE WILL HAVE PRIOR WRITTEN APPROVAL FROM THE AUTHORIZED OFFICER.

THE GAS LINE HAS BEEN STAKED ON THE GROUND. THERE WILL BE NO ADDITIONAL SURFACE DISTUBANCES REQUIRED FOR THE INSTALLATION OF A GATHERING LINE.

GAS METER RUNS WILL BE LOCATED WITHIN 100 FT OF THE WELL HEAD. THE GAS LINE WILL BE BURIED, OR ANCHORED DOWN FROM THE WELLHEAD TO THE METER. METER RUNS WILL BE HOUSED AND/OR FENCED.

THE GAS METER WILL BE CALIBRATED AND THE TANK STRAPPED IN PLACE PRIOR TO ANY DELIVERIES. TESTS FOR THE METER ACCURACY WILL BE CONDUCTED MONTHLY FOR THE FIRST THREE MONTHS ON NEW METER INSTALLATIONS AND AT LEAST QUARTERLY THEREAFTER. THE AUTHORIZED OFFICER WILL BE PROVIDED WITH A DATE AND TIME FOR THE INITIAL METER CALIBRATION AND ALL FUTURE METER PROVING SCHEDULES. A COPY OF THE METER CALIBRATION REPORT WILL BE SUBMITTED TO THE VERNAL DISTRICT OFFICE. ALL MEASUREMENT FACILITIES WILL CONFORM WITH API AND AGA STANDARDS FOR GAS AND LIQUID HYDROCARBON MEASUREMENT.

5. LOCATION AND TYPE OF WATER SUPPLY

WATER FOR THE WELL WILL BE HAULED BY TRUCK FROM JIM NEBEKER'S (JOE SHIELDS) POND. WATER FOR COMPLETION WILL COME FROM THE SAME PONDS OR FROM ROOSEVELT CITY. A WATER WELL IS PLANNED FOR USE IN THIS AREA. A WATER USE AGREEMENT IS ALSO IN PLACE WITH UTE TRIBE.

6. SOURCE OF CONSTRUCTION MATERIALS

ALL CONSTRUCTION MATERIAL FOR THIS LOCATION SITE AND ACCESS ROAD SHALL BE BORROW MATERIAL ACCUMULATED DURING CONSTRUCTION OF THE LOCATION SITE AND ACCESS ROAD. ADDITIONAL GRAVEL OR PIT LINING MATERIAL WILL BE OBTAINED FROM PRIVATE SOURCES.

7. METHODS FOR HANDLING WASTE DISPOSAL

A) PIT CONSTRUCTION AND LINERS:

THE RESERVE PIT WILL BE APPROX. 10 FT DEEP AND AT LEAST ONE-HALF OF THE DEPTH SHALL BE BELOW THE SURFACE OF THE EXISTING GROUND.

THE RESERVE PIT WILL BE LINED WITH A 12 MIL PIT LINER. THE PIT LINER WILL BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACKFILLING THE RESERVE PIT. THE RESERVE PIT WILL BE REASONABLY FREE OF HYDROCARBONS BEFORE THE PIT IS BACKFILLED.

ONE-HALF OF THE PIT WILL BE USED AS A FRESH WATER STORAGE AREA DURING THE DRILLING OF THIS WELL AND THE OTHER ONE-HALF WILL BE USED TO STORE NON-FLAMABLE MATERIALS SUCH AS CUTTINGS, SALT, DRILLING FLUIDS, CHEMICALS, PRODUCED FLUIDS, ETC.

B) PRODUCED FLUIDS:

PRODUCED WATER WILL BE CONFINED TO THE RESERVE PIT, OR IF DEEMED NECESSARY, A STORAGE TANK FOR A PERIOD NOT TO EXCEED 90 DAYS AFTER INITIAL PRODUCTION. DURING THE 90 DAY PERIOD AN APPLICATION FOR APPROVAL FOR A PERMANENT DISPOSAL METHOD AND LOCATION WILL BE SUBMITTED TO THE AUTHORIZED OFFICER.

C) GARBAGE:

A TRASH CAGE, FABRICATED FROM EXPANDED METAL WILL BE USED TO HOLD TRASH ON LOCATION AND WILL BE REMOVED TO AN AUTHORIZED LANDFILL LOCATION.

D) A PORTABLE CHEMICAL TOILET WILL BE SUPPLIED FOR HUMAN WASTE.

E) SITE CLEAN-UP:

AFTER THE RIG IS MOVED OUT, THE AREA AROUND THE WELLSITE WILL BE CLEANED AND ALL REFUSE REMOVED.

8. ANCILLARY FACILITIES

THERE ARE NO ANCILLARY FACILITIES PLANNED FOR AT THIS TIME AND NONE ARE FORESEEN IN THE FUTURE.

9. WELLSITE LAYOUT

LOCATION DIMENSION ARE AS FOLLOW:

A) PAD LENGTH-	<u>300 FT</u>
B) PAD WIDTH-	<u>140 FT</u>
C) PIT DEPTH-	<u>10 FT</u>
D) PIT LEGTH-	<u>180 FT</u>
E) PIT WIDTH-	<u>70 FT</u>
F) MAX CUT-	<u>25.2" FT</u>
G) MAX FILL-	<u>10.1" FT</u>
H) TOTAL CUT YARDS-	<u>11,180 CU YDS</u>
I) PIT LOCATION-	<u>SOUTH WEST CORNER</u>
J) TOP SOIL LOCATION-	<u>NORTH</u>
K) ACCESS ROAD LOCATION-	<u>FROM THE SOUTH</u>
L) FLARE PIT-	<u>ON THE NORTH WEST CORNER</u>

PLEASE SEE THE ATTACHED LOCATION DIAGRAM FOR ADDITIONAL DETAILS.

ALL PITS WILL BE FENCED ACCORDING TO THE FOLLOWING STANDARDS:

A) 39 INCH NET WIRE SHALL BE USED WITH AT LEAST ONE STRAND OF WIRE ON TOP OF THE NET WIRE
(BARBED WIRE IS NOT NECESSARY IF PIPE OR SOME TYPE OF REINFORCEMENT ROD IS ATTACHED TO THE TOP OF THE ENTIRE FENCE.)

B) THE NET WIRE SHALL BE NO MORE THAN 2 INCHES ABOVE THE GROUND. THE BARBED WIRE SHALL BE 3 INCHES ABOVE THE NET WIRE. TOTAL HEIGHT OF THE FENCE SHALL BE AT LEAST 42 INCHES.

C) CORNER POSTS SHALL BE CEMENTED AND/OR BRACED IN SUCH A MANNER TO KEEP THE FENCE TIGHT AT ALL TIMES.

D) STANDARD STEEL, WOOD OR PIPE POSTS SHALL BE USED BETWEEN THE CORNER BRACES. DISTANCE BETWEEN ANY TWO POSTS SHALL BE NO GREATER THAN 16 FT.

E) ALL WIRE SHALL BE STRETCHED, BY USING A STRETCHING DEVICE, BEFORE IT IS ATTACHED TO THE CORNER POSTS.

10. PLANS FOR RESTORATION OF THE SURFACE

PRIOR TO THE CONSTRUCTION OF THE LOCATION, THE TOP 12 INCHES OF SOIL MATERIAL WILL BE STRIPPED AND STOCKPILED. THIS WILL AMOUNT TO 2,020 CUBIC YARDS OF MATERIAL. PLACEMENT OF THE TOP SOIL IS NOTED ON THE ATTACHED LOCATION PLAT. WHEN ALL DRILLING AND COMPLETION ACTIVITIES HAVE BEEN COMPLETED THE UNUSED PORTION OF THE LOCATION(THE AREA OUTSIDE THE DEADMEN) WILL BE RECONTOURED AND THE TOPSOIL SPREAD OVER THE AREA.

THE DIRT CONTRACTOR WILL BE PROVIDED WITH AN APPROVED COPY OF THE SURFACE USE PLAN PRIOR TO CONSTRUCTION ACTIVITIES.

ANY DRAINAGE REROUTED DURING THE CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL LINE OF FLOW OR AS NEAR AS POSSIBLE.

ALL DISTURBED AREAS WILL BE RECONTOURED TO THE APPROXIMATE NATURAL CONTOURS. PRIOR TO BACKFILLING THE PIT, THE FENCES AROUND THE RESERVE PIT WILL BE REMOVED. THE PIT LINER WILL BE CUT OFF AT THE WATER OR MUD LINE AND DISPOSED OF AT AN APPROVED LANDFILL SITE. THE LINER WILL ALSO BE TORN AND PERFORATED AFTER THE PIT DRIES AND BEFORE BACKFILLING OF THE RESERVE PIT.

THE RESERVE PIT WILL BE RECLAIMED WITHIN 90 DAYS OF WELL COMPLETION. IF THE RESERVE PIT HAS NOT DRIED SUFFICIENTLY TO ALLOW BACKFILLING AN EXTENSION ON THE TIME REQUIREMENT FOR BACKFILLING THE PIT WILL BE REQUESTED. ONCE RECLAMATION ACTIVITIES HAVE BEGUN, THEY SHALL BE COMPLETED WITHIN 30 DAYS.

AFTER THE RESERVE PIT HAS BEEN RECLAIMED NO DEPRESSIONS IN THE SOIL COVERING THE RESERVE PIT WILL BE ALLOWED. THE OBJECTIVE IS TO KEEP SEASONAL RAINFALL AND RUN OFF FROM SEEPING INTO THE SOIL USED TO COVER THE RESERVE PIT. DIVERSION DITCHES AND WATER BARS WILL BE USED TO DIVERT RUN OFF AS NEEDED.

WHEN RESTORATION ACTIVITIES HAVE BEEN COMPLETED, THE LOCATION SITE AND NEW ACCESS ROAD CUTS AND SHOULDERS SHALL BE RESEED. PRIOR TO RESEEDING, ALL DISTURBED AREAS, INCLUDING THE OLD ACCESS ROAD, WILL BE SCARIFIED AND LEFT WITH A ROUGH SURFACE.

A) RECOMMENDED SEED MIXTURE:

RUSSION RYE 6# PER ACRE. FAIRWAY CRESTED WHEAT GRASS 6# PER ACRE.

B) SEEDING DATES:

AFTER SEPTEMBER 15, AND BEFORE THE GROUND FREEZES.

SEED WILL BE BROADCAST OR DRILLED AT THE TIME SPECIFIED BY THE BLM. IF BROADCAST, A HARROW OR SOME OTHER IMPLEMENT WILL BE DRAGGED OVER THE SEEDED AREA TO ASSURE SEED COVERAGE AND THE SEED MIXTURE WILL BE PROPORTIONATELY LARGER(DOUBLE THE LBS. PER ACRE).

AT SUCH TIME THE WELL IS PLUGGED AND ABANDONED THE OPERATOR WILL SUBMIT A SURFACE RECLAMATION PLAN TO THE SURFACE MANAGEMENT AGENCY FOR PRESCRIBED SEED MIXTURE AND RESEEDING REQUIREMENTS.

11. SURFACE OWNERSHIP: THE UTE TRIBE

12. OTHER INFORMATION

A) VEGETATION:

THE TREES IN THE AREA ARE CEDAR AND PINION. THE VEGETATION COVERAGE IS SLIGHT. THE MAJORITY OF THE EXISTING VEGETATION IS MADE UP OF RABBIT, SAGE, AND BITTER BRUSH. ALSO FOUND ON THE LOCATION IS PRICKLY PEAR, INDIAN RICE GRASS, AND YUCCA.

B) DWELLINGS:

THERE ARE NO OCCUPIED DWELLINGS, OR OTHER FACILITIES WITHIN A ONE MILE RADIUS OF THIS LOCATION.

C) ARCHAEOLOGY:

THE LOCATION HAS BEEN SURVEYED AND THERE IS NO ARCHAEOLOGICAL, HISTORICAL, OR CULTURAL SITES NEAR THE PROPOSED SITE. PLEASE SEE THE ATTACHED ARCHAEOLOGICAL CLEARANCE MAP.

IF, DURING OPERATIONS, ANY ARCHAEOLOGICAL OR HISTORICAL SITES, OR ANY OBJECTS OF ANTIQUITY (SUBJECT TO THE ANTIQUITIES ACT OF JUNE 8, 1906) ARE DISCOVERED, ALL OPERATIONS WHICH WOULD AFFECT SUCH SITES ARE TO BE SUSPENDED AND THE DISCOVERY REPORTED PROMPTLY TO THE SURFACE MANAGEMENT AGENCY.

D) WATER:

THE NEAREST WATER IS IN THE BOTTOM OF SOWERS CANYON 1.7 MILES TO THE NORTH.

E) WOOD:

NO WOOD PERMIT WILL BE REQUIRED FOR THIS LOCATION. BARRETT RESOURCES HAS A JOINT VENTURE AGREEMENT WITH THE UTE TRIBE. THIS AGREEMENT MAKES IT UNNECESSARY FOR BARRETT RESOURCES TO OBTAIN A WOOD PERMIT. PLEASE SEE THE JOINT VENTURE AGREEMENT, BETWEEN ZINKE & TRUMBO LTD. WHICH HAS BEEN ASSIGNED TO BARRETT RESOURCES, IF YOU REQUIRE ADDITIONAL INFORMATION.

F) CHEMICALS:

NO PESTICIDES, HERBICIDES OR OTHER POSSIBLE HAZARDOUS CHEMICALS SHALL BE USED WITHOUT PRIOR APPLICATION.

G) NOTIFICATION:

a) BLM, VERNAL, UT. STAN OLMSTEAD 801-789-1362, 24 TO 48 HRS BEFORE CONSTRUCTION OF THE LOCATION. ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

b) BIA, FT. DUCHESNE, UT, CHARLIE CAMERON 801-722-2406, 24 TO 48 HRS BEFORE CONSTRUCTION OF THE LOCATION. ALSO AFTER SITE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

c) UTE TRIBE, MINERALS DIVISION, FT. DUCHESNE, UT, FERRON SECAKUKU 801-722-4992, 24 TO 48 HRS BEFORE CONSTRUCTION AND BEFORE THE RIG MOVES IN.

H) FLARE PIT:

THE FLARE PIT WILL BE LOCATED 120 FEET FROM THE RESERVE PIT FENCE AND 130 FEET FROM THE BORE HOLE ON THE NORTH AND WEST SIDE OF THE LOCATION, BETWEEN POINTS 5 AND 6 ON THE LOCATION PLAT. ALL FLUIDS WILL BE REMOVED FROM THE PIT WITHIN 48 HOURS OF OCCURANCE.

I) GRAZING PERMITTEE:

UTE TRIBAL LIVESTOCK ENTERPRIZES
FT. DUCHESNE, UT
801-722-2406

13. LESSEES OR OPERATORS REPRESENTATIVE AND CERTIFICATION

A) REPRESENTATIVE

NAME: DOUG BARONE
ADDRESS: BARRETT RESOURCES CORP. BOX 290
NEOLA, UT 84053
PHONE: 801-353-4625
CELLULAR: 801-823-6116

ALL LEASE AND/OR UNIT OPERATIONS WILL BE CONDUCTED IN SUCH A MANNER THAT FULL COMPLIANCE IS MADE WITH ALL APPLICABLE LAWS, REGULATIONS, ONSHORE OIL AND GAS ORDERS. THE APPLICABLE LAWS, REGULATIONS, AND ANY APPLICABLE NOTICES TO LESSEES. THE OPERATOR IS FULLY RESPONSIBLE FOR THE ACTIONS OF HIS SUBCONTRACTORS. A COPY OF THESE CONDITIONS WILL BE FURNISHED TO THE FIELD REPRESENTATIVE TO ENSURE COMPLIANCE.

THE DRILLING PERMIT WILL BE VALID FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. AFTER PERMIT TERMINATION, A NEW APPLICATION WILL BE FILED FOR APPROVAL FOR ANY FUTURE OPERATIONS.

B) CERTIFICATION:

I HEREBY CERTIFY THAT I, OR PERSONS UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE PROPOSED DRILLSITE AND ACCESS ROUTE; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH PRESENTLY EXIST; THAT THE STATEMENTS MADE IN THIS PLAN ARE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE AND CORRECT; AND THAT THE WORK ASSOCIATED WITH THE OPERATION PROPOSED HEREIN WILL BE PERFORMED BY BARRETT RESOURCES AND ITS CONTRACTORS AND SUBCONTRACTORS IN CONFORMITY WITH THIS PLAN AND TERMS AND CONDITIONS WITH THE PLAN AND THE TERMS AND CONDITIONS UNDER WHICH IT IS APPROVED.

DATE 2-10-97

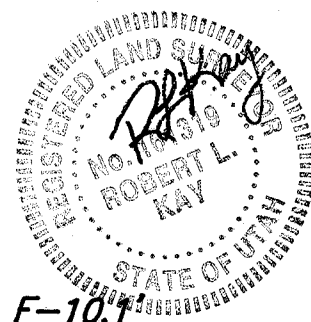
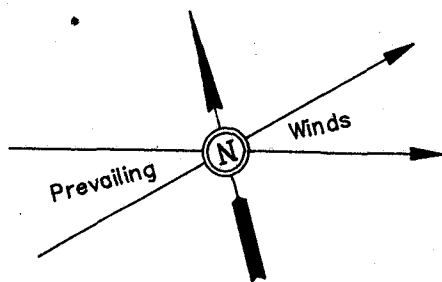


Doug Barone
Production Supervisor
Barrett Resources Corp.

BARRETT RESOURCES CORPORATION

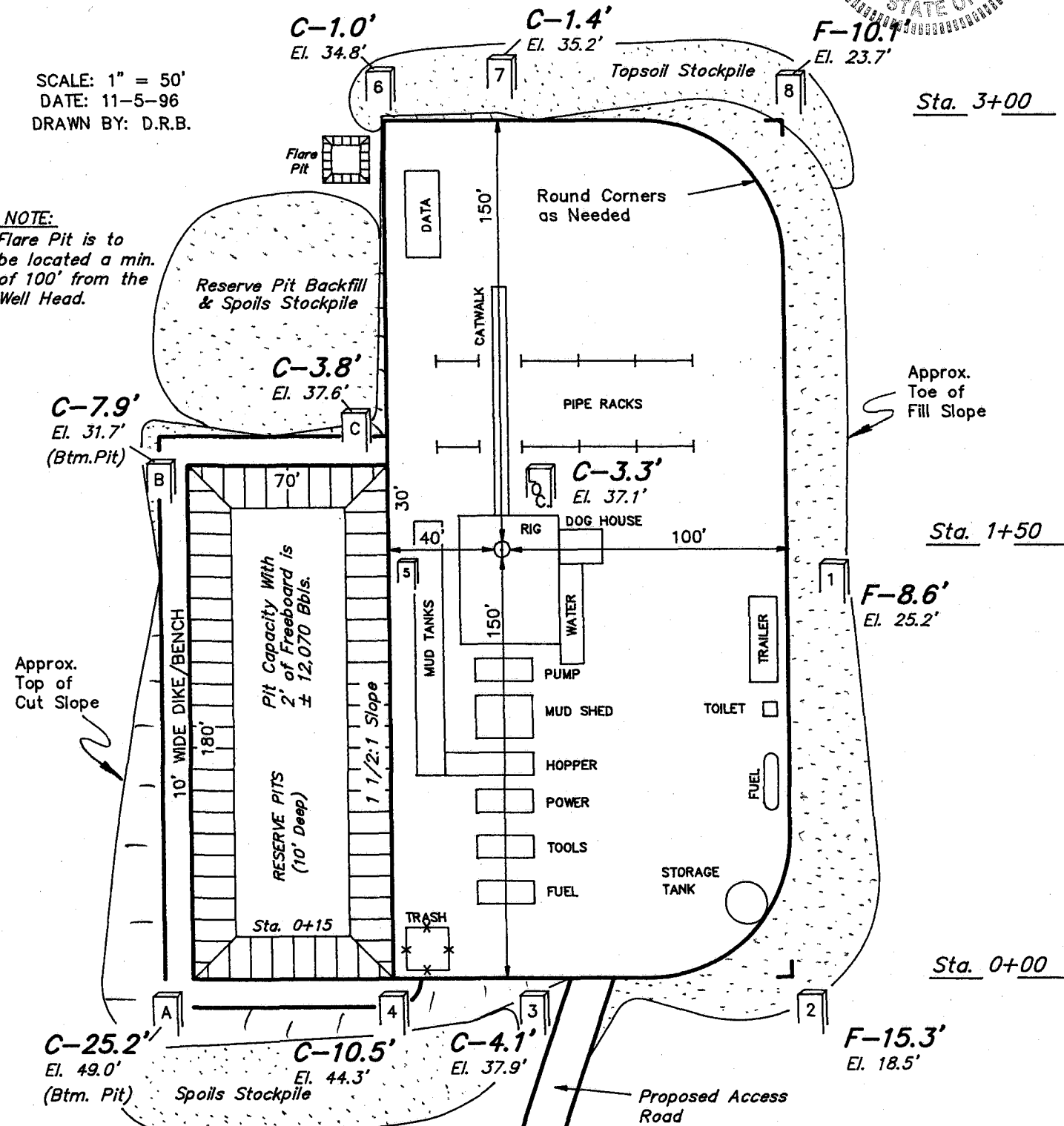
LOCATION LAYOUT FOR

UTE TRIBAL #5-22
SECTION 22, T5S, R4W, U.S.B.&M.
1960' FNL 530' FWL



SCALE: 1" = 50'
DATE: 11-5-96
DRAWN BY: D.R.B.

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



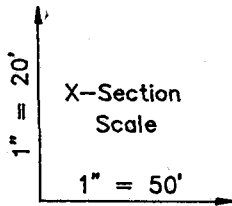
Elev. Ungraded Ground at Location Stake = 6537.1'
Elev. Graded Ground at Location Stake = 6533.8'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

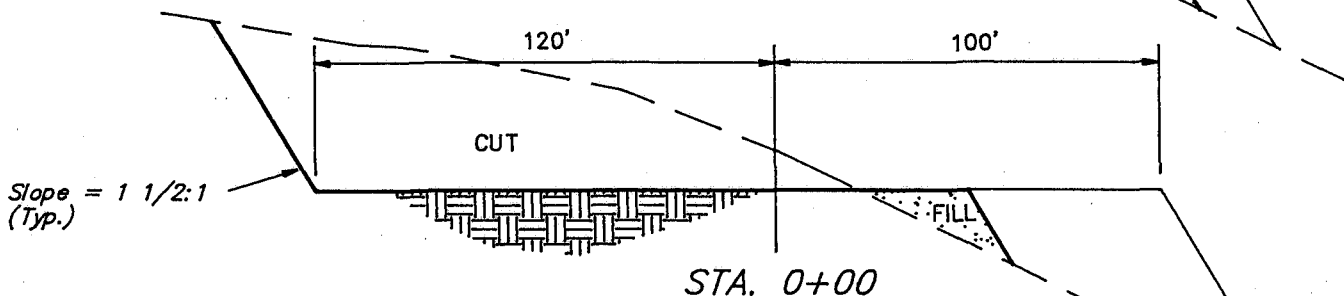
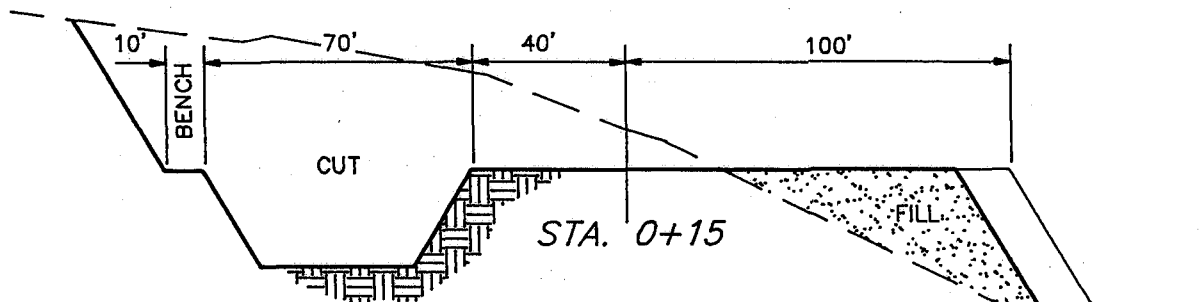
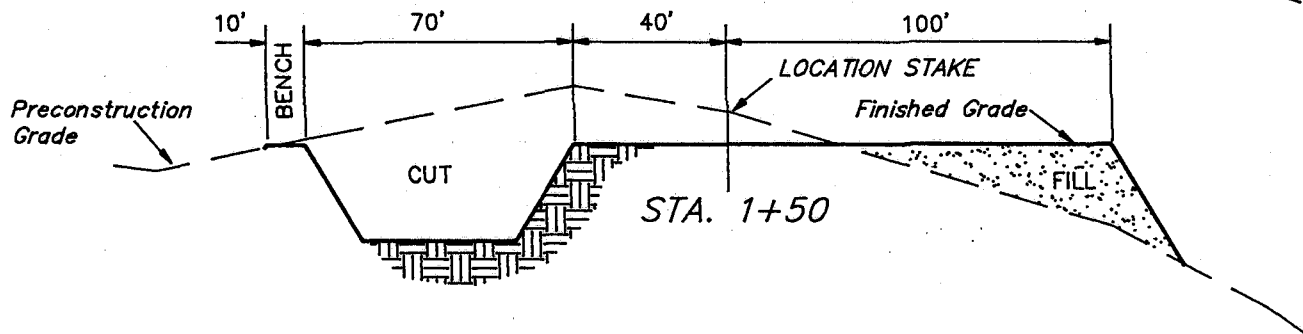
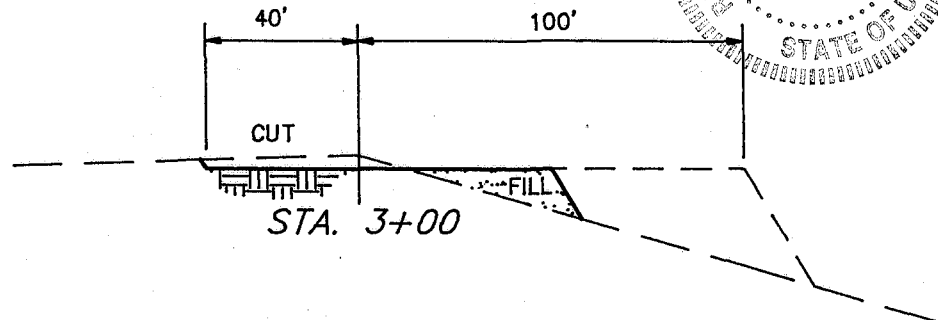
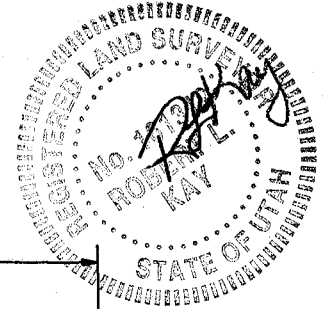
BARRETT RESOURCES CORPORATION

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #5-22
SECTION 22, T5S, R4W, U.S.B.&M.
1960' FNL 530' FWL



DATE: 11-5-96
DRAWN BY: D.R.B.

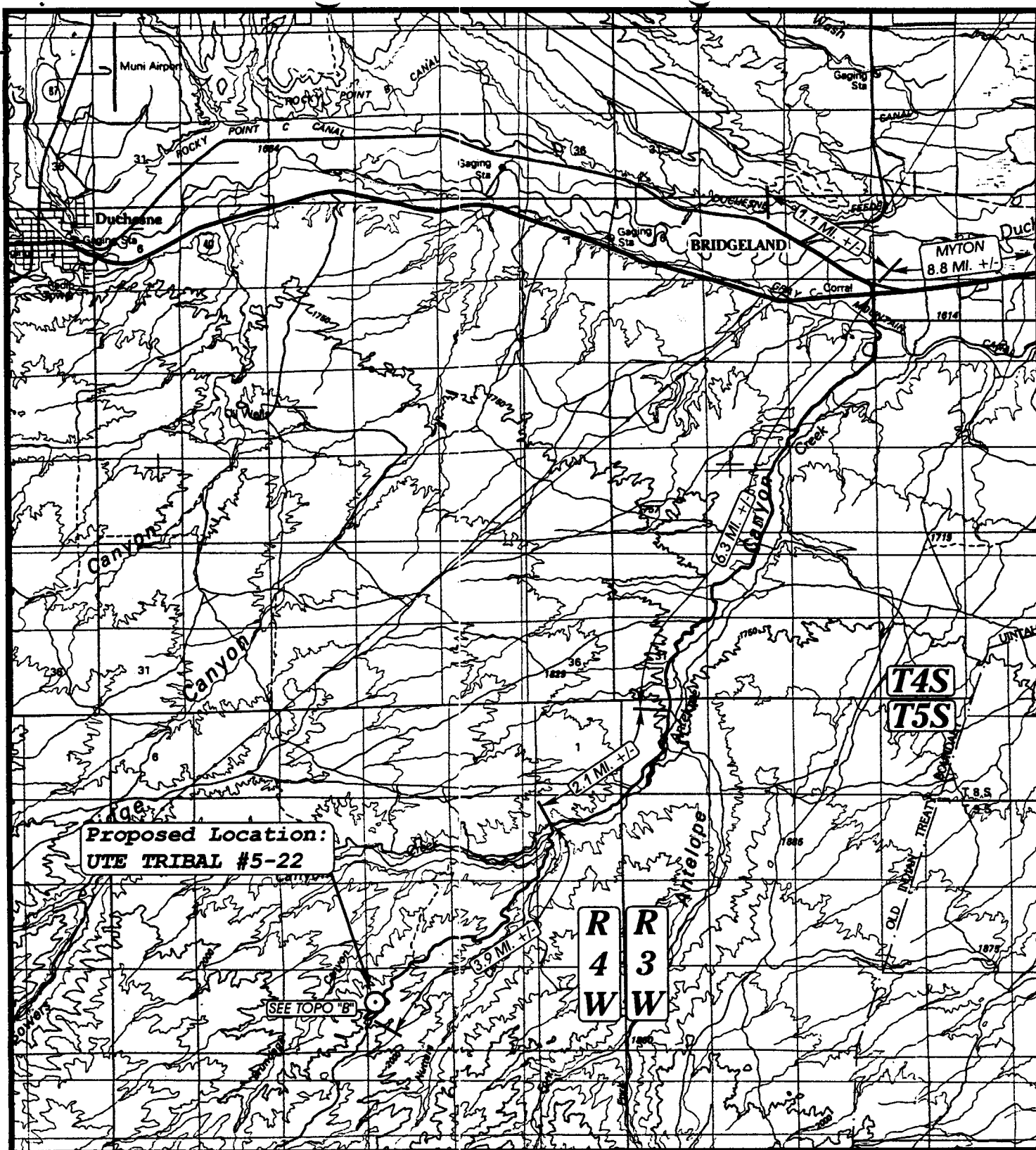


APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 2,020 Cu. Yds.
Remaining Location	= 9,160 Cu. Yds.
TOTAL CUT	= 11,180 CU.YDS.
FILL	= 7,100 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 3,710 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,710 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



Proposed Location:
UTE TRIBAL #5-22

SEE TOPO "B"

R 4 W
R 3 W

T4S
T5S

UELS

**TOPOGRAPHIC
MAP "A"**

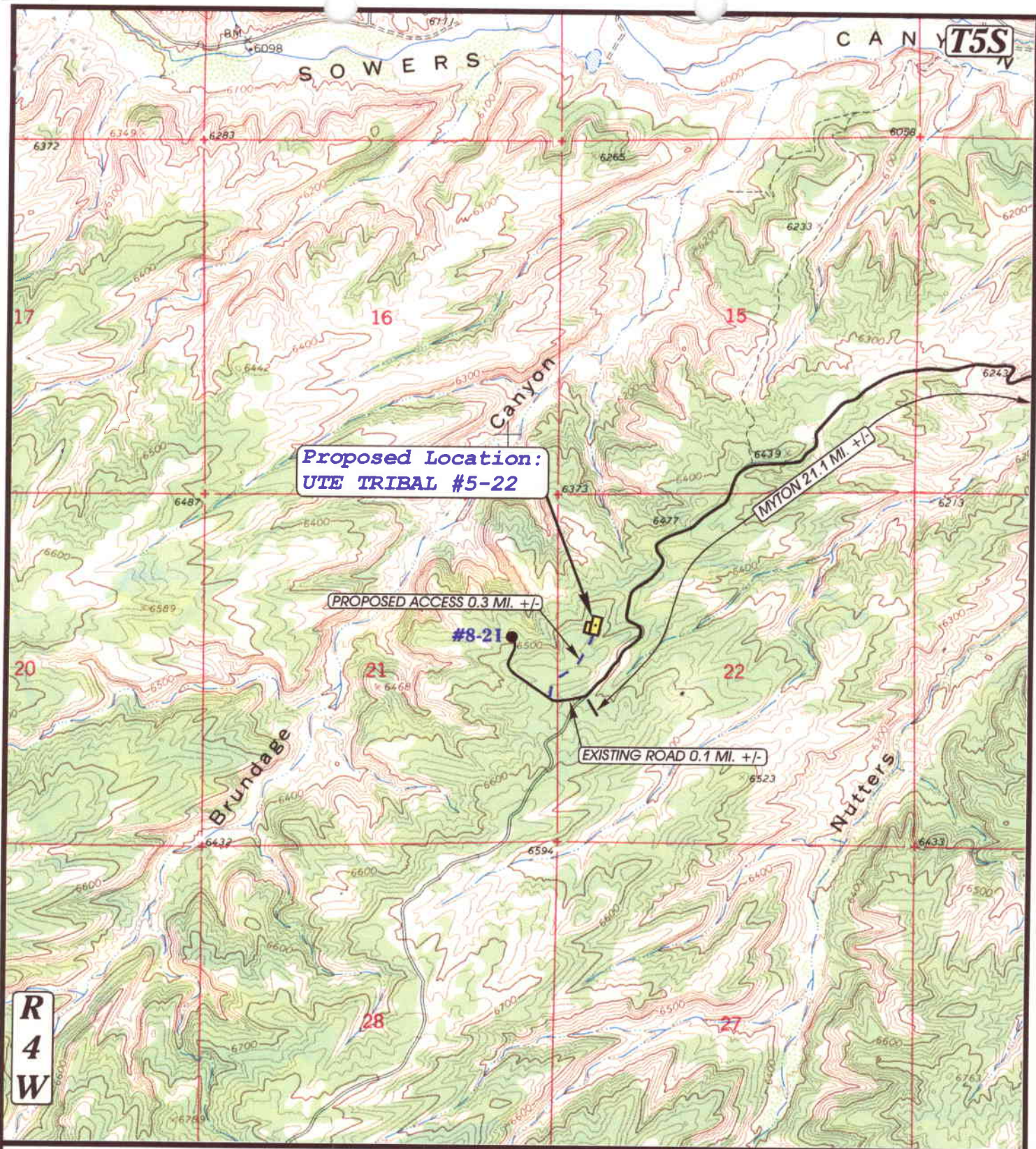
DATE: 11-9-96
Drawn by: D.COX



BARRETT RESOURCES CORPORATION

UTE TRIBAL #5-22
SECTION 22, T5S, R4W, U.S.B.&M.
1960' FNL 530' FWL

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



UELS

**TOPOGRAPHIC
MAP "B"**

**DATE: 11-9-96
Drawn by: D.COX**



BARRETT RESOURCES CORPORATION

**UTE TRIBAL #5-22
SECTION 22, T5S, R4W, U.S.B. & M.
1960' FNL 530' FWL**

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SCALE: 1" = 2000'

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/28/97

API NO. ASSIGNED: 43-013-31840

WELL NAME: UTE TRIBAL 5-22
OPERATOR: BARRETT RESOURCES (N9305)

PROPOSED LOCATION:

SWNW ~~0522~~ T05S - R04W
SURFACE: 1960-FNL-0530-FWL
BOTTOM: 1960-FNL-0530-FWL
DUCHESNE COUNTY
BRUNDAGE CANYON FIELD (072)

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number 6101752342)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number COMMERCIAL SUPPLY)
☒ RDCC Review (Y/N)
(Date: _____)

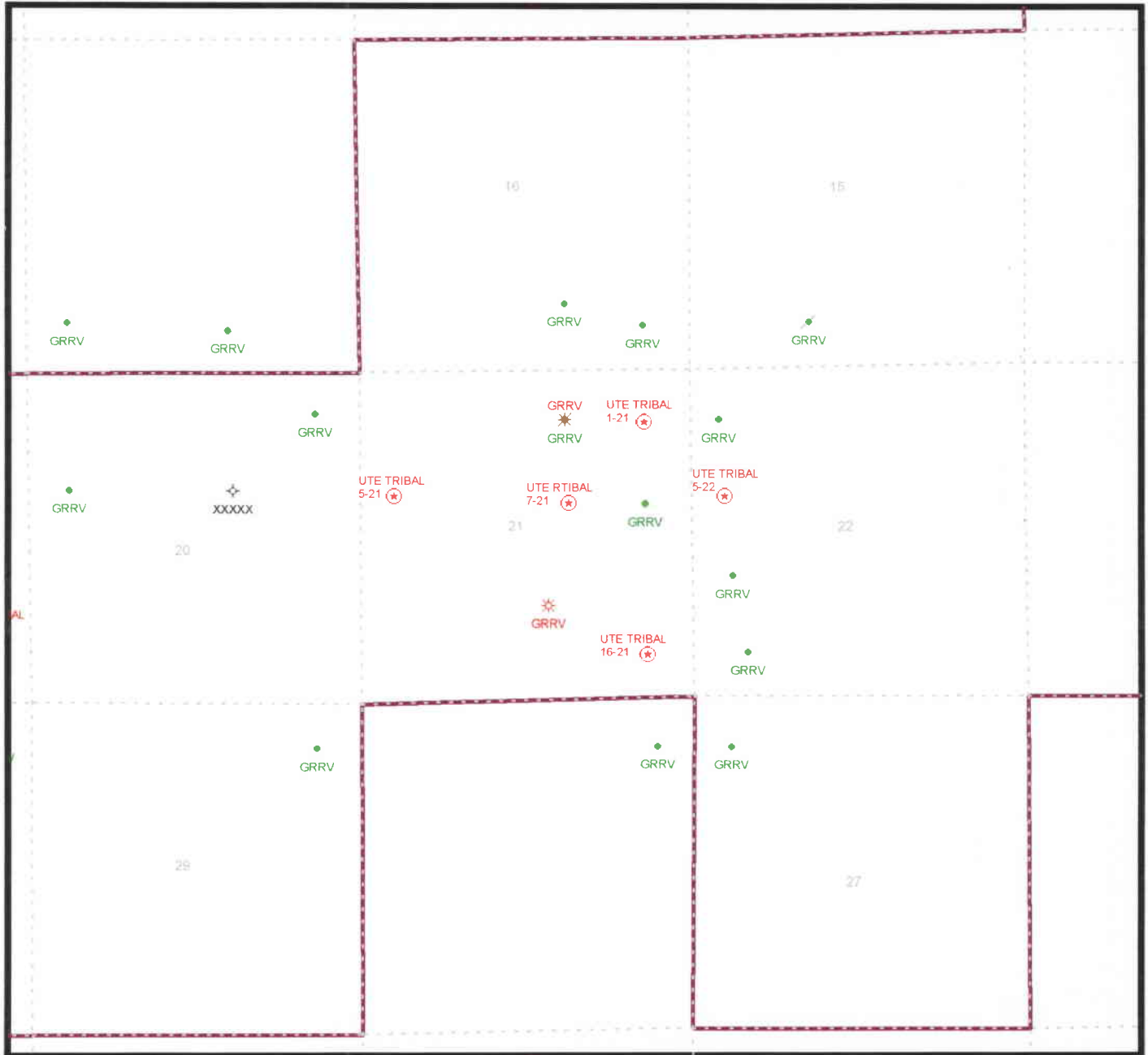
LOCATION AND SITING:

___ R649-2-3. Unit: _____
☒ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: BARRETT (N9305)
FIELD: BRUNDAGE CANYON (072)
SEC, TWP, RNG: 21 & 22, T5S, R4W
COUNTY: DUCHESNE
UAC: R649-3-2



PREPARED:
DATE: 3-MAR-97



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 2, 1997

Barrett Resources Corp.

P.O. Box 290

Neola, Utah 84053

Re: Ute Tribal 5-22 Well, 1960' FNL, 530' FWL, SW NW, Sec. 22,
T. 5 S., R. 4 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31840.

Sincerely,

for
Lowell P. Braxton

Deputy Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

Operator: Barrett Resources Corp.
Well Name & Number: Ute Tribal 5-22
API Number: 43-013-31840
Lease: UTE-14-20-H62
Location: SW NW Sec. 22 T. 5 S. R. 4 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Barrett Resources Corp

3. ADDRESS OF OPERATOR

PO BOX 290, Neola, UT 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

SW $\frac{1}{4}$, NW $\frac{1}{4}$, 1960' FNL, 530' FWL, SEC 22, T5S, R4W
At proposed prod. zone

43-013-31840

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

21.5 MILES SOUTH OF MYTON, UTAH

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

530

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1,400'

19. PROPOSED DEPTH

6020'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6537

22. APPROX. DATE WORK WILL START*

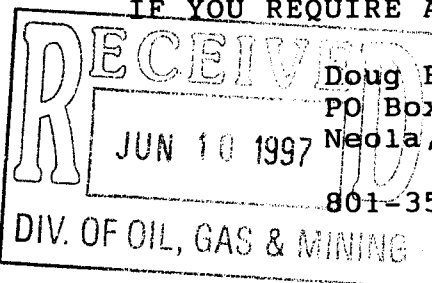
MAY 30, 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{2}$	8-5/8	24	280	TO SURFACE
7-7/8	5 $\frac{1}{2}$	15.5	6020'	CMT TOP TO COVER OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:



Doug Barone
PO Box 290
Neola, UT 84053

801-353-4625 office / 801-828-6116 cellular

RECEIVED
FEB 27 1997

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

D. Barone

TITLE

Production Supervisor

DATE

2-10-97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Assistant Field Manager

APPROVED BY

TITLE

Mineral Resources

DATE

MAY 30 1997

CONDITIONS OF APPROVAL, IF ANY:

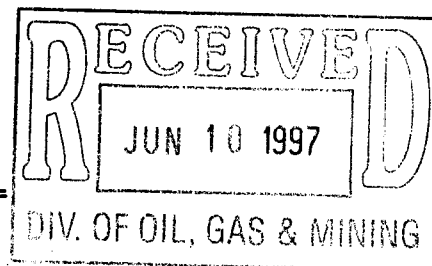
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL



Company/Operator: Barrett Resources Corporation

Well Name & Number: Ute Tribal 5-22

API Number: 43-013-31840

Lease Number: 14-20-H62-3415

Location: SWNW Sec. 22 T. 5S R. 4W

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 1,352 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to the top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PROGRAM
Conditions of Approval (COAs)**

The Surface Use Conditions of Approval all come from the Bureau of Indian Affairs Concurrence Memorandum and Site Specific Environmental Analysis.

The Ute Tribe Energy and Mineral Department is to be notified 48 hours prior to construction. A Tribal Technician is to monitor construction.

Thirty (30) foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 22 feet, except as granted for sharp curves or intersections or where deep cuts are required for road construction.

Barrett will assure the Ute Tribe that any/all contractors and subcontractors have acquired a Tribal Business License and have access permits prior to construction.

All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

The Ute Tribe Energy & Mineral Department shall be consulted if cultural remains from subsurface deposits are exposed or identified during construction.

Before the site is abandoned, the company will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

Reserve pits will be lined with impervious synthetic liners.

A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

Firewood shall be stockpiled at convenient locations near the wellsite and along the access road.

Upon completion of the project approved under this Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resources Department will be notified by Barrett Resources Corporation so that a Tribal Technician can verify Affidavit of Completion's.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Barrett Resources Corp

3. ADDRESS OF OPERATOR

PO BOX 290, Neola, UT 84053

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

SW $\frac{1}{4}$, NW $\frac{1}{4}$, 1960' FNL, 530' FWL, SEC 22, T5S, R4W
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

21.5 MILES SOUTH OF MYTON, UTAH

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

530

18. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1,400'

19. PROPOSED DEPTH

6020'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6537

22. APPROX. DATE WORK WILL START*

MAY 30, 1997

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 $\frac{1}{2}$	8-5/8	24	280	TO SURFACE
7-7/8	5 $\frac{1}{2}$	15.5	6020'	CMT TOP TO COVER OIL SHA

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL.
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

Doug Barone
PO Box 290
Neola, UT 84053

801-353-4625 office / 801-828-6116 cellular

RECEIVED

FEB 27 1997

RECEIVED
JUL 01 1998

DIV. OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Doug Barone

TITLE

Production Supervisor

DATE

2-10-97

(This space for Federal or State office use)

43-013-31840

PERMIT NO.

APPROVAL DATE

Assistant Field Manager

DATE

MAY 30 1997

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

Mineral Resources

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

From: Margie Herrmann / <mherrman@ut.b.m.gov>
To: NRDOMAIN.NROGM(DS EY)
Date: 8/4/98 4:42pm
Subject: Rescind well permits?? - Reply

Hi Don,

Status of the following permits.

API NAME	OPERATOR LOCATION	WELL	
43-013-31840	Barrett	Ute Tribal 5-22	22-5S-4W
-- THIS HAS BEEN EXTENDED TO 5/30/99.		APD EXTENDED	
43-047-32923	Enron	CWU 489-13N	13-9S-22E
-- THIS HAS EXPIRED (THEY THOUGHT IT HAD BEEN SPUD. FINALLY TALKED TO RITA IN BIG PINEY. SHE CHECKED THE RECORDS. THEY HAVE BUILT THE LOCATION, BUT NO SPUD.) YOU SHOULD BE RECEIVING A LETTER FROM US IN A FEW DAYS.			

The two Coastal locations you inquired about do not expire until 9/3/98.
So far the extensions have not been approved, but we have about a month.
I will let you know.

Margie

CC: WELL FILE



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3160

UT08300

June 9, 1999

Barrett Resources Corporation.
30 West 425 South
Roosevelt, Utah 84066

Re: Notification of Expiration
Well No. Ute Tribal 5-22
SWNW, Section 22, T5S, R4W
Lease No. 14-20-H62-3415
Duchesne County, Utah

43-013-31840

Gentlemen:

The Application for Permit to Drill the above-referenced well was approved on May 30, 1997. Barrett Resources Corporation requested an extension of the original APD approval for an additional year. The request was reviewed and the extension approved until May 30, 1999. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

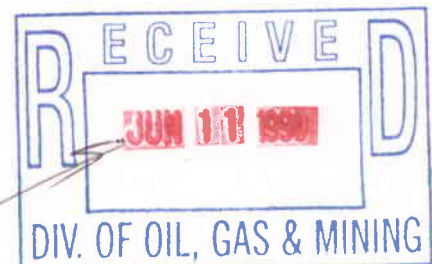
This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Margie Herrmann
Legal Instruments Examiner

cc: State Div. OG&M

DOGM
'LA'
DATE



BARRETT RESOURCES CORPORATION



Date: June 11, 1999

To: Bureau of Land Management
170 South 500 East
Vernal, Utah 84078-2799

Re: Ute Tribal 5-22

43-013-31840

Attn: Margie Herrmann
Legal Instruments Examiner

In reply to the above referenced wells, no surface disturbance has occurred on these drill sites.

Sincerely,

Gene Martin
Production Foreman

DFS ✓
CD ✓

WCD Plan ✓

~~File~~ VLD (LA already)
- file
well file

plus well is LA

✓

cc: State Div. OG&M